CLAIMS

)	C/ What is	s claimed is:		
54 b	1.	A system comprising:		
2	a	a digitizer capable of collecting three-dimensional data about an object;		
3	á	an orientation fixture to automatically reposition the object from a first		
4	orientation to	orientation to a second orientation to expose a first aspect and a second aspect of the		
5	object relative to the digitizer; and			
6 (5)	a	a controller to coordinate the automatic repositioning with data		
T D	capture by the digitizer;			
□ 8	V	wherein the orientation fixture and the digitizer are physically		
	independent units.			
	2.	The system of claim 1 wherein at least one of the digitizer and the		
<u>L</u> 2	orientation fix	cture is capable of automatically locating the relative position of the		
	other.	other.		
1	3. 7	The system of claim 1 wherein the digitizer is capable of automatic		
2	calibration.			
1	4. <i>/</i> 1	The system of claim 1 further comprising:		
2	/ a	host to process the three-dimensional data to render a three-		
3	dimensional r	epresentation of at least a portion of the object.		

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1	5.	The system of claim 4 wherein the host comprises:
2		a distributed network interface, the interface to transmit the three-
3	dimensional	representation to a remote user node.
1	6.	The system of claim 4 wherein the digitizer communicates with the
2	host over a	wireless link.
1	7.	The system of claim 1 wherein the digitizer communicates with the
2 □	orientation f	fixture over a wireless link.
	8.	The system of claim/1 wherein the orientation fixture comprises: a self contained power source.
	9.	The system of claim 1 wherein the digitizer comprises:
		a self contained power source.
<u></u>	10.	The system of claim 1 wherein the orientation fixture comprises:
2		a distinctive feature that permits the digitizer to acquire the orientation
3	fixture by so	anning an area for the distinctive feature.
1	11. /	The system of claim 1 wherein the orientation fixture comprises:
2	a loca	lized energy source that permits the digitizer to acquire the orientation
3	fixture.	
1	12.	The system of claim 1 wherein the orientation fixture is a turntable.

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1	13.	A system comprising:	
2		a digitizer having a linear image sensor to collect three-dimensional	
3	data about an object;		
4		an orientation fixture to automatically reposition the object from a first	
5	orientation to a second orientation to expose a first aspect and a second aspect of the		
6	object relative to the digitizer, wherein the digitizer and orientation fixture are		
7	integrally coupled as a single unit; and		
8		a controller to coordinate the automatic repositioning with data	
	capture by t	he digitizer.	
I			
	14.	The system of claim 13 wherein the digitizer is capable of automatic	
<u>□</u> 2	calibration.		
	15.	The system of claim 13 comprising:	
		a host to process the three-dimensional data to render a three-	
	dimensional	representation of at least a portion of the object.	
1	16.	The system of claim 15 wherein the host comprises:	
2		a distributed network interface, the interface to transmit the three-	
3	dimensional	representation to a remote node.	
1	17.	The system of claim 15 wherein the single unit communicates with the	
2	host over a	wireless link.	

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1	18.	The system of claim 13 wherein the single unit comprises:
2		a self contained power source.
1	19.	The system of claim 13 wherein the orientation fixture is a turntable.
1	20.	A method comprising:
2		receiving a request over a distributed network to authorize operation
3	of a lockable	image capture system at a node remote from the image capture system
4	and coupled	to the distributed network; and
口 可 可 (T6		sending an authorization data to the image capture system across the
U1 U6 D	distributed n	etwork such that the image capture system is unlocked and enabled to
□7 ≠ ≠	capture an ir	mage.
G1	21.	The method of claim 20 wherein the image capture system performs
	three-dimens	sional imaging.
1	22.	The method of claim 20 further comprising:
2		reprogramming a reconfigurable array of logic of the image capture
3	system from	a remote riode.
1	23.	A method comprising:
2		capturing image data in an image capture device coupled to a
3	distributed n	etwork;

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4	1	preventing access to the image data by a local user until an
5	authorization	is received; and
6	ä	allowing access to the image data upon receipt of the authorization
7	from a remote	e node on the distributed network.
1	24.	The method of claim 23 wherein preventing access comprises:
2	•	encrypting the image data with an algorithm that can be decrypted with
3	information f	rom the remote node.
		The method of claim 24 wherein preventing access further comprises: disabling local storage of the encrypted image data.
- <u> -</u> - <u> </u> 1		The method of 24 further comprising: uploading the encrypted image data to the remote node.
	а	A system comprising: a digitizer capable of collecting three-dimensional data about an object;
3		an orientation fixture to automatically reposition the object from a first
. 4		a second orientation to expose a first aspect and a second aspect of the
5	•	to the digitizer;
6	/	controller to coordinate the automatic repositioning with data
7	collection by t	he digitizer; and
8	/ a	data analyzer to identify points of interest in the data collected
9	wherein the d	ligitizer and orientation fixture automatically rescan a portion of the

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- object corresponding to a point of interest identified and a three-dimensional model of a portion of the object is adjusted based on the rescan.
- 1 28. The system of claim 27 wherein the rescan is conducted at a higher 2 resolution than a resolution of an original scan.
- 1 29. The system of claim 27 wherein the rescan is conducted using a 2 different capture method.

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